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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: Z. Jason Geng

Serial No.: To be assigned

Group Art Unit: To be assigned

Filed:

Examiner: To be assigned

For: METHOD & APPARATUS FOR OMNIDIRECTIONAL THREE DIMENSIONAL IMAGING

Commissioner of Patents  
Washington, D.C. 20231

**PRELIMINARY AMENDMENT**

Dear Sir:

Please amend the application as follows prior to examination on the merits.

**IN THE CLAIMS:**

Please cancel claims 1-6 and add new claims 7-10.

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7. An improved imaging apparatus for generating a two dimensional image, comprising:  
a substantially hyperbolic reflective mirror configured to satisfy an optical single viewpoint constraint for reflecting a scene;  
a image sensor responsive to said reflective mirror and that generates two dimensional image data signals; and  
a controller coupled to the image sensor to control a display of two dimensional object scenes corresponding to said image data signals.